

The M. A. C. Record.

VOL. 5.

LANSING, MICHIGAN, TUESDAY, MAY 8, 1900.

No. 33.

Farmers' Club.

Last Wednesday night Mr. McNair of New York spoke on the topic "Science in Agriculture." The talk was rather rambling, yet an interesting one. He said: "Science is the higher development of ordinary knowledge. It conveys the idea of both quality and quantity. The idea of measurement is the consequence of the higher development of science."

"In 1859 extensive deposits of potash salt were discovered in Germany and now supply a large proportion of the potash used in fertilizers. Potash is an exceedingly useful plant food. However, it is very little used in Michigan as a fertilizer. Farmers use phosphates, which, though useful, can never take the place of potash. The average farm soils do not contain the necessary amount of potash available as plant food. The potash gotten from potash salt is not a stimulant, but it is food in available condition, consequently not injurious to the crops as whiskey is to the health. Can we depend upon the potash derived from wood ashes and soil? No, because it is too little and variable. But potash contained in German salt is uniform throughout. The problem of commercial fertilizers is not simple, but complex. We have only the fundamentals which we need to develop. Here is what Mr. Morrill, one of the most successful fruit growers said of potash, 'It helps to ripen the wood, the fruit hangs on and keeps better.'"

A. G. B.

Encyclopedia of American Horticulture.

Volume 1 of this valuable work by Professor L. H. Bailey, '82, of Cornell University has been received by the Experiment Station. The remaining three volumes are to follow in quick succession.

He gives a list of contributors consisting of 180 names, among whom are the following graduates of M. A. C.:

Prof. C. S. Crandall, '73, Colorado; C. W. Garfield, '70, Michigan; Prof. B. D. Halsted, '71, New Jersey; Prof. U. P. Hedrick, '93, Michigan; G. H. Hicks, '92, D. C.; M. G. Kains, '95, D. C.; Prof. E. R. Lake, '85, Oregon; Prof. R. H. McDowell, '74, Nevada; Prof. W. M. Munson, '88, Maine; W. A. Taylor, '88, D. C.; Prof. J. W. Toumey, '89, Arizona; Prof. S. M. Tracy, '68, Mississippi; Prof. W. W. Tracy, '67, Michigan; Prof. James Troop, '78, Indiana; Prof. C. B. Waldron, '87, North Dakota.

Including Professor Bailey, '82, the editor, this makes sixteen persons or nearly one-eleventh of the whole number. Either the editor is prejudiced in favor of the men from M. A. C., or else he finds among the graduates plenty of capable workers in horticulture. Only three of this number received instruction in other colleges or universities after leaving M. A. C.

W. J. B.

"Liars should make it a point to carefully cultivate their memories."

Inter-Collegiate Oratorical Contest.

The oratorical contest was won by James McFee, of Kalamazoo College, his subject being "Patriotism's Messiah." Miss Mathilda Bower of the State Normal was second. Miss Bower spoke upon "Martin Luther." Third place was taken by Frank M. Whitney of Olivet, whose subject was "The Hero of Hungary."

The contest took place Friday evening at the Academy of Music, Kalamazoo. The house was crowded, and all the colleges of the State were represented by delegates and representatives.

George M. Odum, who was the representative of M. A. C. in the contest, had for his subject "The Anglo-Saxon and His Destiny." Mr. Odum was sick for some little time during the winter term and while it is unfortunate that M. A. C. did not secure a place among the first three, great credit is due him for the energy he has displayed since he entered the contest.

Athletic Notes.

Work on two tennis courts, authorized by the Athletic Association, has been in progress this last week and is nearly finished. They are just north of the new women's building and required considerable grading. Thirty-four loads of clay and sand were used as a dressing. The cost was necessarily so large that the boys are quietly passing around a subscription paper to those interested, for the purpose of buying back nets.

It is interesting to note the comparison between the local field days of last year and this. Out of the thirteen events run off this year, eight were better than last. Of the five runs four were made in better time this year; of the four jumps three were better; and of the weights, the shot was put further.

Base ball has suffered a temporary and, we firmly believe, a final slump of the season. It began on last week Monday when Olivet played here, and some of the usually steady and best players got into a strange freak of errors, allowing Olivet to win the game by 17 to 11. Luckily this game does not count in the intercollegiate percentage. Then last Saturday Ypsilanti played here, and although a far steadier game was played, the play was marked by the same streak of errors which turned the game over to Ypsilanti by 9 to 5. This game counts, and we now stand with one game won and one lost. From this time on we are confident of steady improvement. After coach Ferguson's special engagement of eight weeks of base ball coaching, a couple of weeks elapsed during which the boys necessarily played without much special coaching except by themselves, for all the athletic work, both track and base ball, is crowded into the hour between four and five, except wrestling, and no one person can coach both at the same time, especially when there is such a large number of new men in athletics this year.

Mr. Leander Burnett, '92, the

best all round athlete that M. A. C. ever had, has been engaged as special coach, and has been working with the ball team for the past week.

Alma plays here on Saturday, May 12, and M. A. C. goes to Kalamazoo on the 14th to play off the game which was postponed on account of snow.

Experiment Station Notes.

The Experiment Station is testing the feeding value of sand lucerne (a legume closely related to alfalfa) in a very practical manner. There is in one plat, one tenth of an acre, and on this plat a ewe with her two lambs has been placed, within a portable pen. The pen is moved sufficiently to give fresh pasture for the sheep, every day, and it is expected that this one-tenth acre will support the sheep until October, the ewe being removed after weaning the lambs, in July.

Experiments are also to be carried out with respect to fertilizing muck lands. Three farms, in different portions of the State are to contain twenty-four plats each. On each plat these materials are to be applied, whether alone or in combination—Nitrate Soda, 200 lbs.; Dissolved Phos. Rock, 400 lbs.; Sulphate Potash, 200 lbs. The object of these trials is to determine if possible, the best methods of treating muck lands.

N. A. M.

Unsafe Matches.

A few days ago Mrs. Wilson, wife of Gen. J. H. Wilson, military governor of Matanzas province, was so badly burned at Matanzas, Cuba, while driving from her home to the general's office that she died a short time afterward. The accident was caused by a match that was lying on the bottom of the carriage. It is supposed that Mrs. Wilson stepped on it, whereupon her dress took fire.

A similar horror happened to the Arch-duchess of Austria in her own palace several years ago. She stepped on a match on the floor, which ignited setting fire to her light and inflammable clothing, and she burned to death surrounded by her shrieking but helpless maids of honor.

Women are especially exposed to such accidents because of the inflammable material, and peculiar arrangement of her clothes which seem especially constructed to promote a funeral pyre. Men are less liable to such accidents because of the less combustible material and different arrangement of their clothing.

In a revised edition of the Lamb prize essay No. 4, by the American Public Health Association on "Preventable Causes of Disease, Injury and Death," Mr. Ireland calls special attention to the danger of fire from the use of ordinary matches, and cites an instance, "A girl, passing through one of the rooms, stepped upon a common match which threw off a piece of burning brimstone which landed in a bale of twine. A good blaze was quickly started." He recommends the prohibition of the common match, and substitution of the safety match

which can only be ignited by drawing it across a surface coated with red phosphorus. These "safety matches" were patented many years ago, but the patent has probably expired. They are very safe and not very convenient.

The matches now in use which are not safe unless carefully handled, are those in which chlorate of potash is used as the oxidizing agent. A common example is found in the "Parlor Matches," tipped with a red and explosive compound, which ignite very readily, even when stepped on, often exploding under such circumstances, and sometimes projecting a portion of the burning material to some distance. Such matches were formerly called "Percussion Matches," and very properly, because a similar compound of chlorate of potash, sulphide of antimony, and red phosphorus was once used for percussion caps.

The chlorate matches may be safely used if kept in the match safe, but when left on the floor or under foot they become special sources of danger for persons who have on combustible clothing. The match on the floor is easily overlooked, but is a trap of danger for the unwary foot. Never leave it on the floor or throw it into the dust box.

R. C. KEDZIE.

The U. P. Experiment Station.

Secretary Bird and Prof. Taft are in Chatham this week. The former goes to arrange for the building of a house and barn at the U. P. Experiment Station, and the latter to superintend the planting of the fruit trees and plants. About eight hundred trees of hardy varieties of apples, plums, cherries and pears will be set out this spring, besides one acre of small fruits.

L. M. Geismar of Reed City, who took charge of the sub-station last week, has sent Prof. Smith a number of wild plants, including currants, raspberries and strawberries, from which it is evident that the season there is little, if any, later at Chatham than at Lansing.

Musicale.

Mrs. Marshall and her pupils will give a musicale Friday evening, May 11, at 8 o'clock. They will be assisted by Mr. King, Mr. Nagelvoort and the M. A. C. chorus. The program will be something as follows:

1. Song - M. A. C. Chorus
2. Piano Solo - Miss Webster
3. Piano Solo - Miss Goodrich
4. Dramatic Reading - Mr. King
5. Piano Solo - Miss Deyarmond
6. Piano Solo - Miss Hudson
7. Selection - Mr. Nagelvoort
8. Reading - Mr. King
9. Piano Solo - Miss Nolan
10. Selection - Mrs. Marshall
11. Song - M. A. C. Chorus

An invitation is extended to all who are interested in the music department.

Prof.—"How do you pronounce 'Cæsar' in English and Latin?"

Soph.—"Seize'er and Kiss'er.—
Ex.

THE M. A. C. RECORD.

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Official Directory.

Y. M. C. A.—Regular meetings Sunday evenings
at 7:00 and Thursday evenings at 6:30. Geo.
Severance, President. John Dunford, Cor. Secre-
tary.

Y. W. C. A.—Weekly meetings for all ladies on
the campus, Thursday evenings at 6:20, in Abbot
Hall. Sunday meetings with the Y. M. C. A.
Mabel Brigham, President; Elizabeth Johns, Cor.
Secretary.

KING'S DAUGHTERS—Meet alternate Wed-
nesdays. Mrs. W. Babcock, President. Mrs. W.
J. Beal, Secretary.

NATURAL HISTORY SOCIETY—Meets
alternate Wednesday evenings at 6:30 p. m., in
the Zoological Lecture Room. B. Barlow, Presi-
dent. W. K. Wonders, Secretary.

BOTANICAL CLUB—Meets Tuesday evenings
at 6:30 in the Botanical Laboratory. R. L. Brown,
President. Emma Miller, Secretary.

ADELPHIC SOCIETY—Meetings every Satur-
day evening at 7:00, Class room A., College Hall.
H. L. Brunger, President. Geo. McMullen, Secre-
tary.

COLUMBIAN LITERARY SOCIETY—
Meetings every Saturday evening at 7:00. Fourth
floor, Williams Hall. A. H. Hayes, President. D.
S. Bullock, Secretary.

ECLECTIC SOCIETY—Meetings every Satur-
day evening at 7:00, Fourth Floor, Williams Hall.
E. S. Good, President. W. S. Palmer, Secretary.

FERONIAN SOCIETY—Meetings every Thurs-
day afternoon at 4:00, U. L. S. Rooms. Bertha
Malone, President. Ella Phelps, Secretary.

HESPERIAN SOCIETY—Meetings every Sat-
urday evening at 7:00, West Ward, Wells Hall.
A. J. Cook, President. C. Johnston, Secretary.

OLYMPIC SOCIETY—Meetings every Sat-
urday evening at 7:00, Fourth Floor, Williams Hall.
G. M. Odium, President. C. P. Reynolds, Sec'y.

PHI DELTA SOCIETY—Meetings every Sat-
urday evening at 7:30, East Ward, Wells Hall.
H. B. Clark, President. H. M. Eaton, Secretary.

THEMIAN SOCIETY—Meetings every Fri-
day afternoon from 5 to 6, Agricultural Laboratory,
second floor. Irma G. Thompson, President.
Maude C. Armstrong, Secretary.

UNION LITERARY SOCIETY—Meetings
every Saturday evening at 7:00, U. L. S. Hall.
C. H. Hilton, President. H. P. Weydemeyer,
Secretary.

TAU BETA PI FRATERNITY—Meetings on
alternate Thursday evenings, Tower Room, Me-
chanical Laboratory. William Ball, President.
C. W. Bale, Secretary.

CLUB BOARDING ASSOCIATION—Geo.
Severance, President. R. M. Norton, Secretary.

M. A. C. ATHLETIC ASSOCIATION—W. T.
Parks, President. H. P. Weydemeyer, Secretary.

FARMERS' CLUB—Meets alternate Wednes-
day evenings at 6:30 in the Agricultural Labora-
tory. J. H. Skinner, President. A. G. Bodourian,
Cor. Secretary.

M. A. C. CHORUS meets in the Chapel every
Monday evening at 6:30. C. H. Parker, President.
Gertrude Van Loo, Secretary. Mrs. C. E. Mar-
shall, Director.

The Present High School Methods.

ABSTRACT OF AN ORATION BY W. B. NEVINS,
'00M.

Huxley says,—"Education has
two great purposes; first, to in-
crease knowledge for its practical
benefits; and second, to develop the
love of right and the hatred of
wrong." If this definition is cor-
rect, one of the greatest objects of
the high school is to give the student
practical knowledge. Is the knowl-
edge gained in the high school of
this character? A. B. Alcott
answers this question when he says,
"Observation more than books, ex-
perience rather than persons are the
prime educators."

In most schools little attention is
paid to chemistry, physics or scien-
tific work and none to manual train-
ing, which give experience in lines

the pupil is most likely to follow.
The reason for this is that these
schools have no time to give to this
work. Too many schools simply
teach the branches that will enable
the student to enter the universities
without examination. The studies
pursued are necessarily of a classi-
cal rather than a scientific order,—
such as Latin and Greek. Some
one has said, "These studies
strengthen the memory first no
doubt, and then the power of for-
getting. Power of language and
precision of expression they may
give if the pupil is taught to trans-
fer the exact idea of his author into
clear, terse, elegant English. But
what fraction of one percent. do
this? Power of confining attention
and general improvement of char-
acter that come from diligent occu-
pation and conquest of difficulty, if
the pupil does not interline. But if
the pupil does interline and does it
stealthily, not only the training is
lost but the character of the student
is lowered by the act."

If we omit the study of classics
from the high school course, some-
thing must be added to take the
place of them, and at present there
is a great tendency to devote more
time to scientific work and better
still, to manual training. In Albany,
St. Paul, Chicago, Detroit, and
other cities manual training has been
introduced with great success. In
England it is looked upon with
favor.

The training consists of carpenter
work, use of machine tools, drawing
and laboratory work of different
kinds for boys, and sewing and other
domestic work for girls. The time
given to this work by different
schools depends somewhat on the age
of the pupils, kind of work done and
the other requirements of the school,
but from one to two hours a day
seems to be the best amount of time
to allot to manual training. This
training awakens an interest in the
school work. There is a change
from study to a different occupation
and this variety enables the pupil to
work more hours with less tiring
effect. Manual training schools
take advantage of this. More hours
are passed in school and less study
done outside.

The object of such a school is,
first, to drill pupils in the fundamen-
tal mechanical principles that are the
basis of all trades, and second, to
teach the student to reason, to work
with care, and foster a higher ap-
preciation of the value and dignity
of intelligent labor and the worth
and respectability of laboring men.
The graduate of the manual training
school will know what makes the
water rise in the pump—and a good
part of the truths of experimental
science. The pupil will be taught
to construct, think and reason. Some
one has said "The hand and the
mind are natural allies."

These schools should aim to train
the analytical, reasoning and con-
structing powers, so that the pupil
shall obtain a practical knowledge
such that, when he joins the great
army of workers this training will
be a help to him. It has been truly
said "that a manual training is
essential to the right and full de-
velopment of the human mind." We
must train both hand and eye.
The receptive and expressive faculties
should both be brought into play,
and the high school graduate should
go out into the world with all his
faculties developed to some extent
and should possess a practical knowl-
edge of every-day work.

A Model Dairy Farm.

During a recent visit to the farm
of Mr. A. M. Welch, of Ionia, we
had the pleasure of thoroughly in-
specting his dairy; and, to say the
least, were very favorably impressed
with what we saw. It is safe to
say that Mr. Welch is, in every way,
an up-to-date farmer and dairyman.
Not being content with the methods
of the average farmer, he is continu-
ally experimenting to discover new
and better ways of conducting the
necessary operations of the farm, or
to prove the value of the old ones.
In other words, he is conducting his
business in a business-like manner,
and is able to tell from just what
sources he receives his profits, some-
thing which too many farmers of
the state are unable to do.

Mr. Welch is located about four
miles northeast of the city of Ionia,
on a farm of 550 acres, nearly all of
which is improved. Although he
takes much interest in general farm-
ing, his main energies are directed
along dairy lines. At present his
herd of 60 cattle consists for the
most part of thoroughbred Jerseys,
Guernseys and Shorthorns, all of
which present an unusually healthy
and thrifty appearance.

Among the excellent features
one might notice at the barn, are
the swinging stanchions which are
easy of operation, and allow the
cattle unusual freedom. The man-
gers are supplied with stationary
iron buckets, which are kept uni-
formly filled with water by an iron
pipe connected with a nearby tank,
the flow being regulated by the
ordinary automatic float. The gut-
ters are connected by means of
drains with the manure house,
which is supplied with a water-tight
basement to preserve all the ele-
ments of the manure, a point which
though of the utmost importance, is
usually overlooked. The feeding is
conducted in the most labor-saving
manner, by the use of cars that are
filled with ensilage or ground feed
and pushed down the central alley
directly in front of the mangers.
This permits the feeding of a whole
herd at a single trip with but little
waste or litter.

The same idea of convenience is
noticeable in the dairy room. Hot
water for washing purposes, and
power for running the separator
and pump are supplied by a four
horse-power boiler and engine.
The milk is first cooled by the use
of a Champion aerator, after which
it passes through a novel bottle-
filler by which seven bottles are
filled at once. These are then sealed
with paraffine covers, and trans-
ported to the wagons or the cold
storage room. The advantages of
the bottle system are obvious, as
uniform measure and quality of
milk are thus guaranteed to each
customer.

The reasons for the successful
work of this dairy are apparent.
Mr. Welch always insists upon the
perfect cleanliness of his cows and
their surroundings, and that they be
treated with the utmost kindness.
Every cow is thoroughly groomed
daily, and this together with gentle
treatment, and proper feed and
ventilation accounts for the excellent
condition of his herd.

We have been able to give only a
very brief description of Mr. Welch's
dairy and his methods. Much more
might be said of them, and anyone
interested in the dairy business
would do well to pay him a visit.

C. W. K., V. M. S.

An Easter-tide.

He sat alone in the quiet dusk—
his elbows on the desk—his head in
his hands and tried to think.

To think! How could he? It
drove him mad. He had tried.—
Ah! God alone—if there was one—
knew how hard he had struggled,
fought, striven, to get out of the
clutches of that monster so many
call Fate. The cold hard world
had trampled upon him mercilessly,
yet he had started out with high
ideals and an ambition capable of
reaching out and up to them.

He had meant all to be so differ-
ent—so much brighter and better.
But he had failed—failed miserably,
and now he would fight no longer.
What was the use of it, anyway?
Let Fate, chance—call it anything—
take its course, he no longer served
truth and right. Come one—come
all the little faults and weaknesses—
pride, vanity, selfishness. Come
and with your deft fingers bind this
conquered one. He had tried and
it had not paid for the struggle so
now—

"Christ our Passover is sacrificed
for us, therefore let us keep the
feast."

He started up and listened,—from
the dim old church across the way,
the young voices floated out and into
the window,—the last rehearsal be-
fore the beautiful feast day on the
morrow.

"Not with the old leaven of
malice and wickedness, but with the
unleavened bread of sincerity and
truth," then a hush broken by a
single low voice.

"For since by man came death;
by man came also the resurrection of
the dead."

And so they sang. He listened
till, with a triumphant burst, as if,
of victories fought and won, the grand
Old Gloria rang out on the night air,
—he sank upon his knees and with
head uplifted—heart steeled anew
for the conflict,—joined the triumph-
ant chorus—

"Glory be to the Father, Son and
Holy Ghost—As it was in the be-
ginning is now and ever shall be,
world without end, Amen."

STUDENT.

The Driest Place on Earth.

Payta, which is situated in Peru
about five degrees south of the
equator, is said to be the driest place
on earth—the average interval be-
tween two showers being seven
years; the latest reported shower
lasted from 10 p. m. till noon the
next day. Most of the flora are an-
nuals, the seeds of which remain
dormant in the earth for seven
years, until a shower comes to cause
them to germinate. The natives
maintain themselves by the cultiva-
tion of the long-rooted Peruvian
cotton, which lives in the river beds
for seven years without rain. The
coast upon which Payta stands has
risen 40 feet in historic times.—
Science and Industry.

Reception to Mr. Osborne.

A farewell reception to Rev. W.
H. Osborne, will be given this
(Tuesday) evening, at the home of
Mr. and Mrs. Seymour Foster, 313
Chestnut St. North, from 7 to 11
o'clock. A cordial invitation is ex-
tended to his friends at the College.

"The advantages of good habits
are as great as the disadvantages of
bad ones."

At the College.

A black jersey has been adopted for athletics.

The junior annual will be out in a few days.

Prof. Mumford returned last Saturday morning.

The Military Hop will be held, Friday evening, May 25.

Miss Gertrude Lowe, '01, has received a visit from her sister.

Mrs. Nolan of Mio visited her daughter Marguerite Nolan, '02, last week.

E. M. O'Neil, with '92, of Mulliken, called at the College last Wednesday.

Mrs. Bird and children are spending a few weeks at their former home in Highland.

The agricultural seniors appeared at chapel on Wednesday morning in blue overalls and straw hats.

A turkey-buzzard was killed April 16th. It is the first specimen ever recorded in this immediate vicinity.

Prof. Smith was at Holland and Benton Harbor last Saturday, in the interest of the sugar beet industry.

Prof. Weil spent last Monday in Coldwater, and Wednesday and Thursday in Detroit, on College business.

Doolittle, Francisco, Fraser, Hodges and Wilson have been awarded monograms by the athletic association.

There are no new developments in the scarlet fever matter. If all goes well quarantine will be raised next Thursday.

The library is in receipt of a copy of "Rural Wealth and Welfare," by Geo. T. Fairchild, L. L. D., presented by the author.

Friday afternoon G. J. Dunston, '03, and I. W. Bush, '04m, rode on their wheels to Howell, to spend Saturday and Sunday at their homes.

H. S. Reed canvassed Jackson, Lenawee and Monroe counties last week, gathering samples of fertilizers for analysis. At Ann Arbor he met Geo. Richmond, '98.

The farm department has recently purchased a Jackson Grade level for the use of the freshman class in "Soils and Crops;" it is to be used in their farm drainage work.

The Natural History Society meets Wednesday evening. All the members are requested to be present, as the officers for next term will be elected at this meeting.

Dr. Willis Chapman, with '91, of Cheboygan, was at the College last Wednesday to visit Mr. Chandler. Dr. Chapman is the family physician. Mr. Chandler is convalescent.

Samples of most of the summer birds have been seen in this vicinity. The abundant species not yet reported are humming-bird, wood pewee and one or two other fly-catchers, whippoorwill and indigo bird. It is encouraging to note that the house wrens have come back this year in considerable numbers.

F. E. West, '99, left last Thursday for Mt. Vernon, N. Y., where he has accepted a position as manager of a large dairy farm. Salary \$800. From eighty to ninety cows, in full flow of milk, are kept on the place of six hundred acres. W. K. Brainard, '99, is manager of an-

other farm, owned by the same man, Dr. E. F. Brush, where the young animals, and the cows when not in milk, are kept. The milk from the herd is manufactured into Kumyss, a prepared food. Mt. Vernon is fourteen miles north of New York City.

A Good Suggestion.

It has been suggested by F. T. Williams, '98, who was one of the soldier boys in the late war, that at parade, during the lowering of the flag, all the young men in the vicinity of the parade ground remove their hats; this is the custom in the camps. The suggestion is a good one and the department wishes that it might be inaugurated here at the college, and to this end requests that all the young men, who for any reason have been excused from drill, and are watching the parade, comply with the suggestion.

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R. B. Shank & Co.,**Leading Grocers and Confectioners.****Regent Shoes!**

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Best \$3.00 Shoes

in the world. Made in light, medium and heavy weight from stock selected for its excellent wearing quality. Sewed by the welt process—no squeak—smooth inner soles and flexible.

Agency for
Royal \$3.50 Shoes
Best on Earth.

C. D. WOODBURY,
HOLLISTER BLOCK.

SIMONS DRY GOODS CO.**Opening Spring Sale...**

Of
CARPETS, RUGS,
MATTING,
LINOLEUMS,
CURTAINS, and
DRAPERIES,

THIS WEEK.

LARGE LINE OF

Cloth for
Graduating
Dresses



CARPET DEPARTMENT,
THIRD FLOOR.

Simons Dry Goods Co.

THREE FLOORS { 1st—Dry Goods.
2d—Cloaks, Waists.
3d—Carpets

ELEVATOR.

News from Graduates and Students.

Albert L. Pond, with '97m, is an electrician at Corunna, Mich.

Frederick C. Davis, '86, is a draughtsman at Lincoln, Nebraska.

Leonard H. Parkes, with '97, is a farmer and teacher at Allegan, Mich.

William V. Sage, '84, is superintendent of schools at Mt. Pleasant, Mich.

Theodore A. Stanley, '86, is engaged in dairying at New Britain, Conn.

Dorr J. Stryker, '85, is agent for the Standard Oil Company of New York at Rockland, Me.

James L. Perrin, with '01m, is an electrician for the Bartlett Illuminating Co. at Saginaw, Mich.

Richard W. Edling, '86, is engaged in the drug business at 514 Main St., Menominee, Mich.

Walter E. Gammon, '88, is engaged in farming, horticulture, and dairying at Courtland, Calif.

Frank Palmer, with '74, is manager of the collections for McCormick Harvesting Co. at Jackson, Mich.

Frank M. Owen, with '00m, is a professional baseball player with the Detroit American League Team, Ypsilanti, Mich.

Chas. B. Pettibone, with '94, who received Ph. C. from the University of Michigan in 1899, is a pharmacist at Farmington, Mich.

Wilford C. Stryker, '84, who graduated at the Chicago College of Dental Surgery in 1898, is a dentist at Hanford, California.

Francis W. Eply, s.p. with '98, is a teacher of physics, chemistry, and zoology at the State Normal School of New Whatcom, Wash.

James D. Hill, '84, is prosecuting attorney of Williams county, Ohio, and cashier of the Montpelier Banking Co. at Montpelier, Ohio.

Chas. D. Prichard, with '88, is publisher of the Memphis Bee and deputy collector of customs at Port Huron. Memphis, Mich.

Arthur H. Dail, with '01, formerly bookkeeper for the Michigan Knitting Company of Lansing is now employed as traveling salesman for the same company.

Jacob M. Hollingsworth, '82, is a successful farmer and stock raiser at Ridge Farm, Ill. He has been president of the farmers' institutes of Edgar county since 1897.

Daniel F. Pagelsen, with '97, who received LL. B. from the University of Michigan in 1898, is a lawyer and circuit court commissioner of Otawara county, Grand Haven, Mich.

William J. Meyers, '90, formerly professor of mathematics at Colorado Agricultural College, will finish the law course at the University of Michigan next June. Mr. Meyers expects to locate in Chicago.

Our New Prosperity.

By Ray Stannard Baker. 12 mo. pp. 288. New York: Doubleday & McClure Company. The titles of the chapters are: The Beneficence of Hard Times; How Prosperity Came; Influence of Speculation and Trusts on Prosperity; Effects of the Prosperity Wave at Home; Expansion of Foreign Com-

merce; American Commercial Invasion of the World; Iron and Steel; Prosperity on the Great Lakes; A Self-Reliant South; The Rise in the Price of Meat; Corn, Wheat, and the West; Coal and Coke; Wool and Lumber, Labor; The Edge of the Future; The Country's Greatness.

A few of these chapters have recently appeared in *Harper's Weekly* and in *McClure's Magazine*.

Died in Ecuador.

Information has reached Washington telling of the death in Chanchan, Ecuador, of a former Michigan man, Frank P. Davis. He was a civil engineer, who graduated from the Michigan Agricultural College in 1868. His Michigan home was in Vermontville, where he was born fifty-four years ago. He has made his home in Washington for several years. He had been in South America since last August and was taken ill with dysentery six weeks ago. Two sons were with him. Mrs. Davis is a sister of Mrs. A. M. Barber, of Charlotte, Mich. Mr. Davis was highly skilled as an engineer. For six years he was engaged in surveying for the Nicaraguan canal. Later he was employed by the Canadian government on the deep waterway survey. —Free Press.

Why Not ?

Don't you think it pays to buy your Drugs at Cut Rates? You save money and the increased volume of business pays us.

TRY IT.

ALSDORF & SON,

CUT RATE DRUGGISTS and PHOTOGRAPHIC SUPPLIES

CHAS. A. PIELLA,

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Employees of M. A. C.

Desiring to build should not purchase their material before consulting with

Hiram Rikerd,
Lansing, Mich.

Lumber of all kinds.
Interior Finishing a specialty.
PRICES RIGHT.
Office and Factory, Mill St.
Both Phones.

Davis Clothing Co.

103 Washington Ave. S.

COME ON BOYS—

We have all the latest up-to-date styles and patterns in

CLOTHING, FURNISHING GOODS AND HATS.

We also keep Sweaters, Supporters, Foot Ball Pants and Jackets.

We are glad to see the old men back and will be pleased to have the new men call. Make our store your headquarters while down town, it is a handy place to leave your packages. **WE ARE ONE PRICE.**

WE SELL FOR CASH ONLY.

DAVIS CLOTHING CO.

BICYCLE and ELECTRICAL SUPPLIES.

Also the largest Repair Shop in Lansing fully equipped with power machinery.

We pay all transportation on wheels to and from College when repairs amount to one dollar or more.

Capitol Electric Engineering Co.

321 Washington Ave. S.

DIRECTORY

LANSING BUSINESS and PROFESSIONAL MEN

The names in this Directory, as well as those of all our other advertisers, are of reliable parties. We hope that the faculty and students will take pains to patronize those who patronize us.

BARBERS.

J. H. WOOD—Barber, 106 Michigan Avenue E. College work especially solicited.

BOOKS AND STATIONERY.

LANSING BOOK AND PAPER CO. Waterman and Sterling Fountain Pens, Stationery, Pictures, Frames, Wall Paper. 120 Wash. Ave. N.

CITY BOOK STORE. Fountain Pens, Drafting Tools, Stationery, Cards Engraved, Pictures and Picture Framing. Tennis, Football and Baseball goods. Crotty Bros., 206 Wash. Ave. N.

BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

BICYCLES.

GEO. H. RICHMOND. Pierce Cycles. Full line of sundries. Repairing and renting at reasonable rates. 200 N. Washington Ave.

CLOTHING.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

A. E. DAVIS.—Clothing and Gentlemen's Furnishings. See ad.

CROCKERY AND GLASSWARE.

H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

DENTISTS.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

D. R. DAWLEY, M. D., D. D. S. Office over Postal Telegraph Co., Michigan and Washington aves.

D. E. PARMELEE—Dentist. 218 Washington Ave. south. Opposite Hudson House.

DEPARTMENT STORE.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c.

DRUGGISTS.

ALSDORF & SON—The Druggists. Two stores, 102 Washington Ave. N. 335 Washington Ave. S. See ad.

C. J. ROUSER—Capital Drug Store. 123 Washington Avenue South.

ALL MEATS....

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

We make daily trips to the College.

BOTH PHONES. Careful attention given to phone orders.

GOTTLIEB REUTER.

Washington Ave. South.

DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Cor. Washington Avenue and Ionia Street. See ad.

GROCERS.

R. B. SHANK & CO., 200 Washington Ave. S. The leading grocers. Both phones. Daily delivery to the college.

HACK AND BAGGAGE LINES.

M. A. C. STUDENTS—Don't forget W. H. PORTER, the Hack and Liveryman. Rubber tires a specialty. 300 Capitol Ave. S. Both Phones.

HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) 108 Mich. Ave. West. All kinds of the best insurance. Strongest agency in city.

JEWELERS.

B. P. RICHMOND—Watchmaker, Jeweler and Engraver. 200-202 Washington Avenue N.

LAUNDRIES.

THE VAN GORDER PALACE LAUNDRY. College agents, C. H. Hilton, 97 Wells; Irving Gingrich, 47 Williams. S. P. Lantz, Prop.

LUMBER DEALERS.

H. W. RIKERD.—Lumber Dealer. Mill Street. See ad.

MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. Fine Tailoring. 218 Washington Avenue N.

OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M. City National Bank Building, Lansing.

PHYSICIANS.

A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

D. J. M. COLLIER.—123 Washington Ave. south. Office over Capital Drug Store. Residence 310 Seymour St.

RESTAURANTS.

GILBERT M. HASTY.—Proprietor Hasty's Gem Lunch. Best meals and lunches in the city. Quiet place for ladies. 113 Wash. Ave. S.